Defense Information Systems Agency
Department of Defense

Unified Capabilities APL Testing Process

Unified Capabilities Certification Office (UCCO)
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Agenda

- Policy Documents
- Unified Capabilities (UC) Approved Product List (APL) Process Overview
- Unified Capabilities Certification Office (UCCO)
- Interoperability Testing
- Information Assurance Testing
- Product Pre-submittal Responsibilities
- UC APL Process Timeline
- Questions

Guiding Policy Documents

- **CJCSI 6211.02B "DISN CONNECTION POLICY, RESPONSIBILITIES, AND PROCESSES"**
  - Establishes policy, responsibilities and connection approval process requirements for subnetworks of the Defense Information Systems Network (DISN).

CJCSI 6215.01C "POLICY FOR DOD VOICE NETWORKS WITH REAL TIME SERVICES (RTS)"

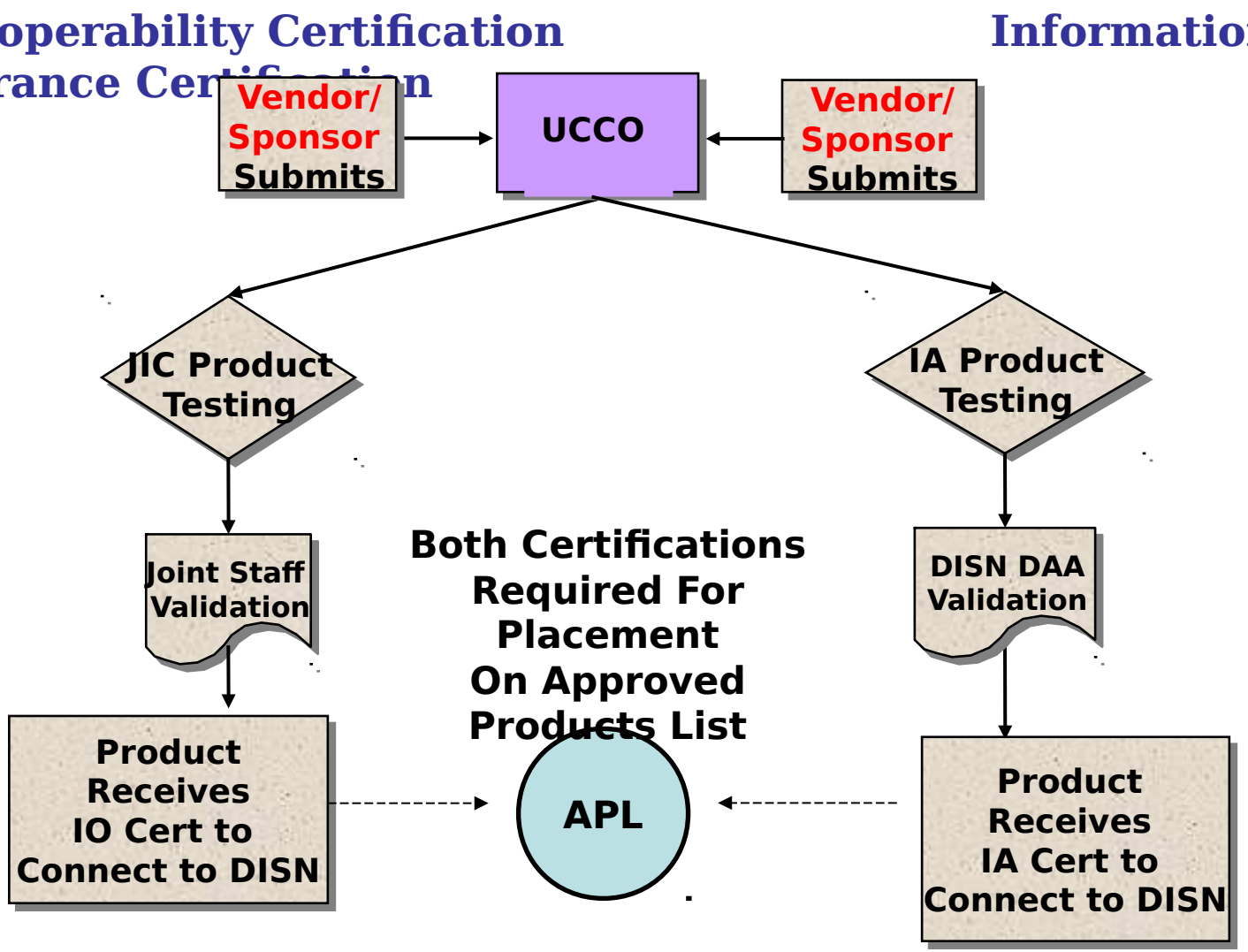
- Directs DISA to manage the DSN/DRSN from end to end.

- **DoDI 8100.3 "DoD Voice Networks"**
  - Directs Joint Interoperability and Information Assurance testing of all components connected, or planned for connection to the DSN, DRSN, or PSTN.
- **DoDD 8500.1 "Information Assurance"**
  - Directs all information Technology to be IA tested and

Other Guidance Documents

- **Unified Capabilities Requirements (UCR 2007)**
  - Specifies technical standards for telecommunication switching equipment to be connected to the DSN; emphasis is on Military Unique Features, e.g., Multilevel Precedence and Preemption (MLPP).
- **DISA Security Technical Implementation Guides (STIG)**
  - Defines technical security policies, requirements, and Implementation details for applying security to the DSN.
- **NIST Special Publication 800-42 (SP 800-42)**
  - Guideline on Network Security Testing that describes multiple types of security tests used to assess vulnerabilities of telecom systems.

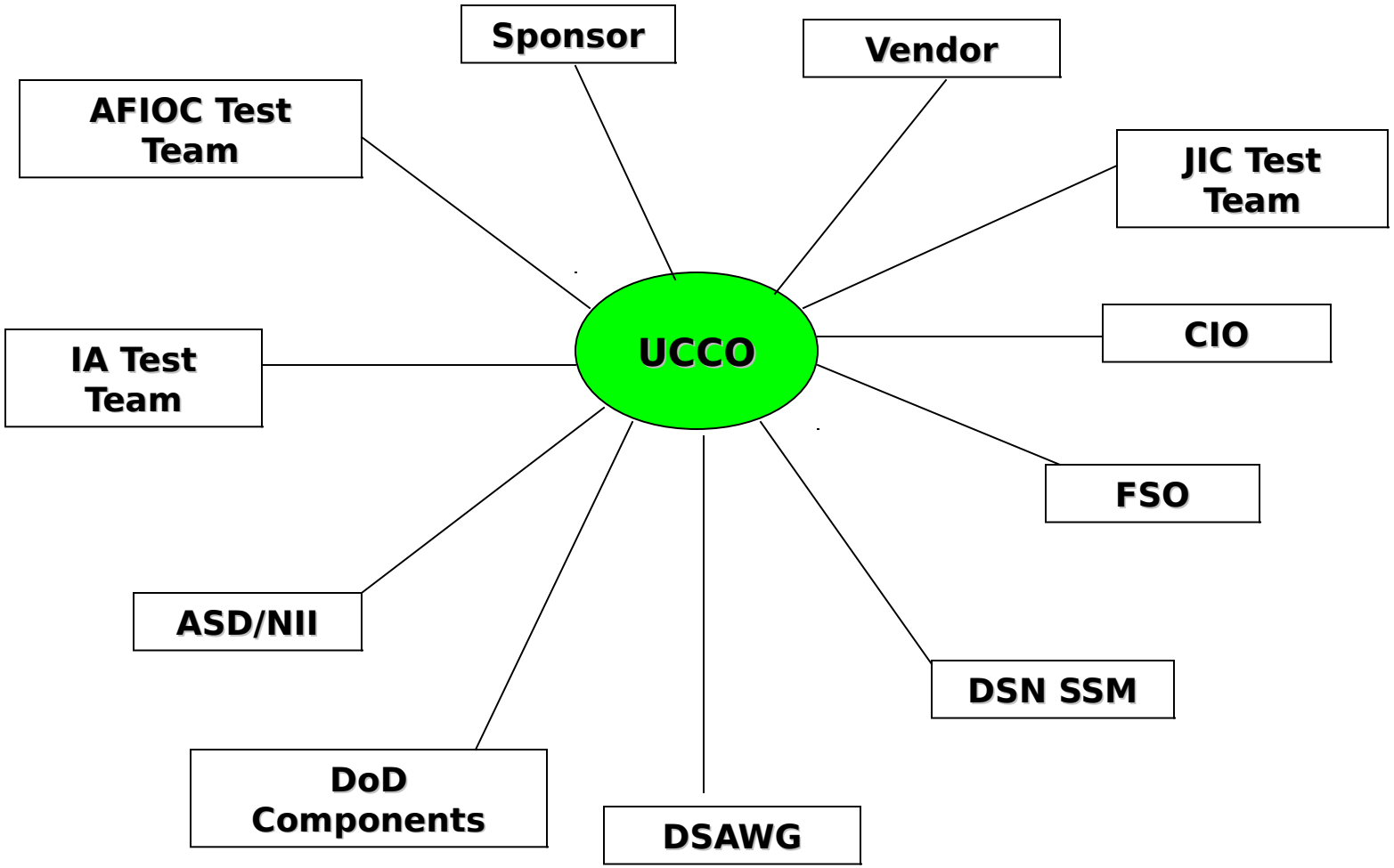
UC APL Product Certification Process



Unified Capabilities Connection Office

- **UCCO:**
  - **Central point of contact for DSN connection approval and approved products list process and questions**
    - **http://www.disa.mil/dsn/ops_connect.html**
  - **Manages IO and IA test team schedule**
  - **Coordinates and tracks product status on testing schedule, test results, and the UC APL.**
  - **Provides Sponsors/vendor tracking numbers to track product**
  - **Submits the proper certification documentation for the product to the DISN Security Accreditation Working Group (DSAWG)**
  - **Contacts the sponsor with the decision regarding their submittal.**

UCCO Coordination Members



Interoperability Testing

- **Joint Interoperability Test Command (JITC)**
  - **Conducts all interoperability certification testing.**
  - **Cooperative Research and Development Agreement (CRADA) between JITC and vendor is used to exchange cost of test services for vendor equipment. Benefits both vendor and Government**
  - **Fee for service when CRADA not applicable**
  - **Ensures end-to-end interoperability of voice switching systems by validating all Telecom equipment connected to the DSN meets applicable Unified Capabilities Requirements (UCR)**
  - **Focus of testing is to ensure Military Unique Features (MUF) such as Multilevel Precedence and Preemption are met**
  - **Test outcome is JITC certification letter that is validated by Joint Staff**

Information Assurance Testing

- **Supported by test teams at:**
  - **JITC, Ft Huachuca, AZ**
  - **Air Force Information Operations Center (AFIOC), San Antonio, TX**
- **Composed of three (3) phases:**
  - **Phase I: Security Technical Implementation Guide (STIG) compliance, Functional Security Tests**
  - **Phase II: IP Penetration Testing**
  - **Phase III: Telephony Testing**
- **Validates product compliance with Federal and DoD IA requirements**
- **IA test results**
  - **Vendor mitigations evaluated by Field Security Office (DISA) for certification recommendation by Certifying**

Product Pre-submittal Responsibility

APPLICANT Responsibility

The Applicant is required to adhere to the following requirements listed below. Neither JIC nor IA testing will be conducted on the submitted solution without ongoing compliance with the following requirements. Please check the boxes indicating your acceptance to comply.

1. Applicant responsible for coordinating payment of lab testing fees/CRADA agreements with Action Officer that will contact applicant upon acceptance of completed test submittal and release of solution Tracking Number.

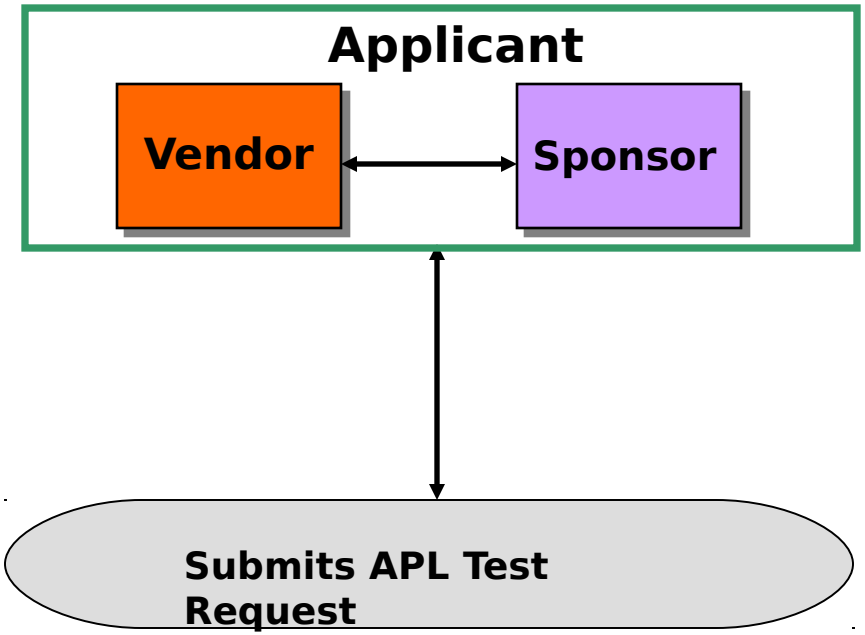
2. Download APL Test Bundle. Review bundle and submit documentation IAW the APL Documentation Guide which is included in the APL Test Bundle. Upon receipt of all required documentation a testing Tracking Number will be issued for the solution initiating testing process.

3. Apply applicable Security Technical Implementation Guide (STIGS) requirements to the submitted product and submit results to UCCO 2 weeks prior to scheduled testing.

4. Applicant (ie: either vendor or sponsor) ensures on-site engineering support be provided during all phase of APL testing assigned for the solution under test. TSSI test scheduled is located at the following link: TSSI Testing Schedule

5. Applicant concurs with right of UCCO to make final determination of IA testing location based upon schedule load balancing and available testing resources.

Step 1: Submittal



http://www.disa.mil/dsn/jic/index.html

STEP 1: Applicant Agrees to the Following prior to submittal:

1) Payment or CRADA.

2) Provide Technical Documentation prior to receiving tracking number from UCCO.

3) Apply all applicable STIG's requirements. Submit self-assessment results and mitigations to UCCO no later than 2 weeks prior to scheduled test date.

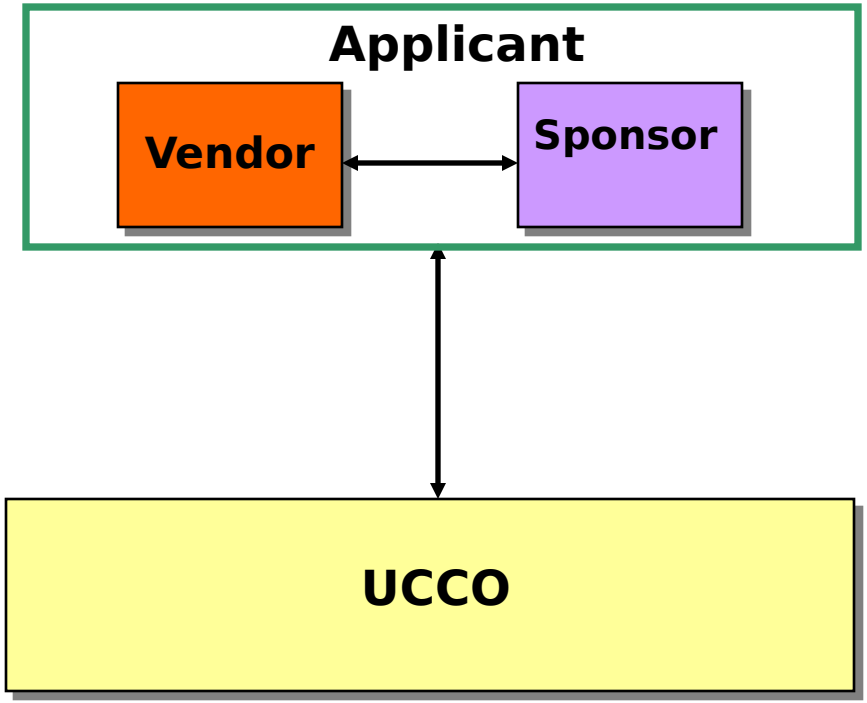
4) Engineering support present during all phases.

5) Agree to ship equipment to San Antonio if UCCO assigns test there

STEP 2: Complete submittal form.

STEP 3: Download Test Requirements Bundle

Step 2: Vendor Pre-Scheduling Actions



1) Complete STIG checklist.
2) Provide STIG checklist and Product Technical Documentation IAW requirements outlined in Rules Of Engagement (Test Requirements Bundle) to UCCO.

Step 3: UCCO Verification

UCCO:

1) Upon receipt of STIG Checklist and Documentation DISA will verify technical sufficiency (clock starts).

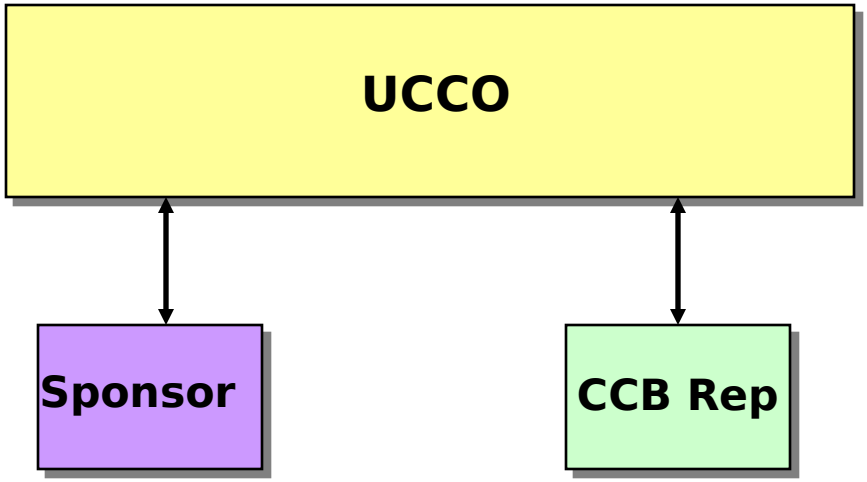
2) Send Sponsor Verification Email to solution sponsor requiring verification of the following:

   a) Sponsorship of submitted solution

   b) Agreement to review and confirm solution deployment configuration provided by vendor

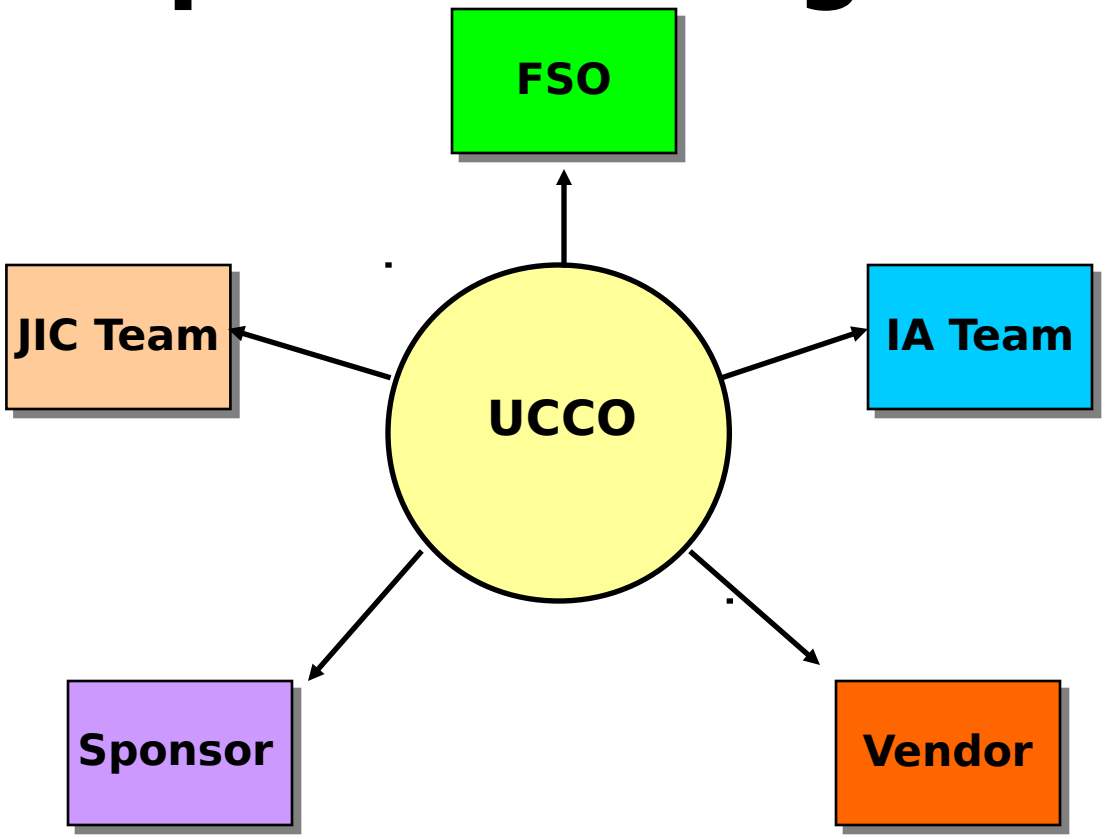
   c) Agreement to attend scheduled Outbrief for solution

3) Send CCB Notification Email



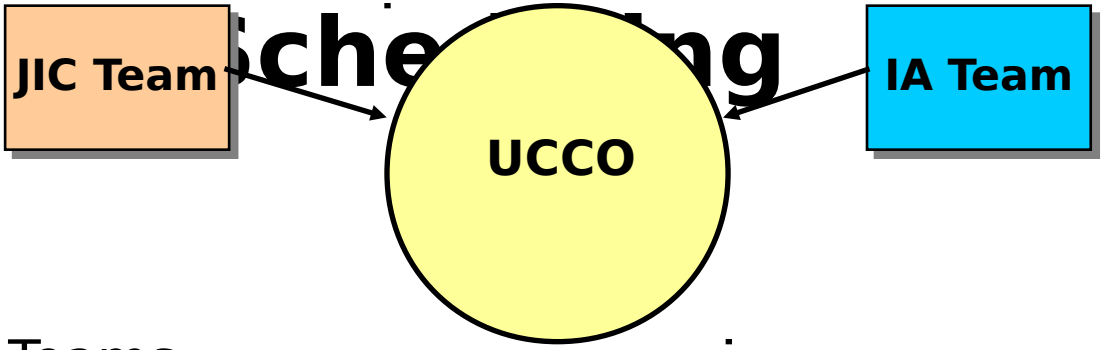
4) Sponsor verifies all items from previous paragraph in email to UCCO.

Step 4: Tracking Number



UCCO: Assigns and distributes Tracking Number after STIG Checklist and Product Documentation received and Verification successfully completed.

Step 5: Scheduling



UCCO/Test Teams:

1) TSSI Scheduling occurs every other Wednesday.
2) Schedule new products for IA/IO testing.
3) Make decisions on possible slips, postponements, and cancellations.
    a) If cancellation occurs, identify potential replacement vendors (If Self-Assessment requirement has been satisfied)
4) New schedule posted every other Friday (http://jitc.fhu.disa.mil/tssi/schedule.html)

Step 6: AO Initial Contact

STEP 1: Conducts initial phone conversation with vendor and discusses the following: (Note: Replaces Inbrief):

a) Submitted Product Documentation and Diagrams.

b) CRADA/Fee arrangements

c) FSO STIG Questionnaire and applicable STIG's

d) Scheduled Test Dates.

e) Tentatively schedule Outbrief date

f) Misc. Issues

STEP 2: Generates minutes of conversation.

STEP 3: Minutes sent to sponsor for validation

STEP 4: UCCO/Test Teams/FSO supply

Step 7: Self-Assessment Evaluation

1) UCCO sends warning notification to vendor/sponsor 1 week prior to Self-assessment due date.
2) Self-Assessment reports and mitigations due to UCCO NLT 2 weeks prior to scheduled test dates.
3) If Self Assessment is not received, the scheduled test window is cancelled.
    a) Tracking Number is retired and vendor must re-submit when ready.

Self-Assessment Criteria

Received by UCCO at least 2 weeks prior to testing

1) Self Assessments must be received on time
   a) Encourage early submissions to prevent last minute cancellations

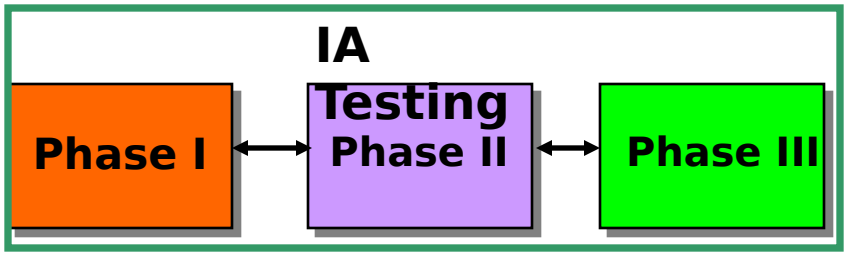
Initial Contact (ICM) Meeting Minutes used to determine completeness

2) Self Assessments must be complete
   a) Requirements identified from STIG questionnaire
   b) STIGs verified by IATT and FSO during Initial Contact Meeting

Vendor and Sponsor work together to provide Mitigations

3) Self Assessments must contain mitigations to all findings, particularly high risk

Step 8: IA Testing



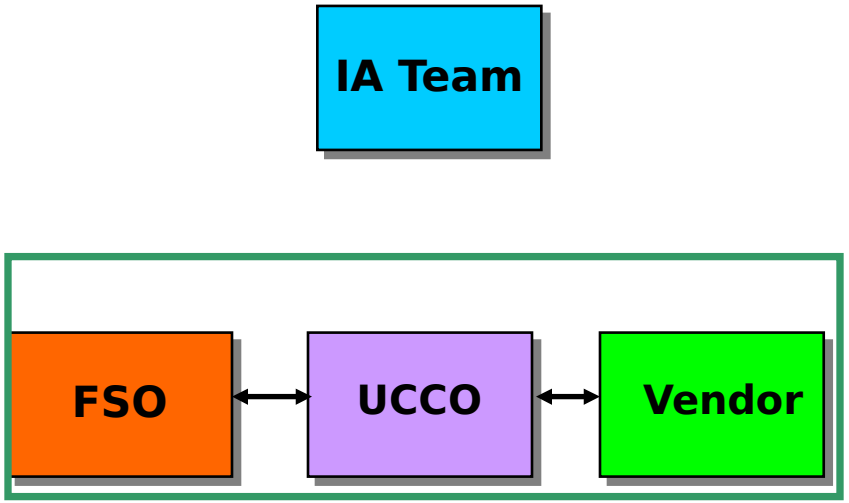
1) Phase I: STIG Testing
2) Phase II: IP Penetration Testing
3) Phase III: Telephony Testing

- Vendors will be required to provide on-site engineering support during all phases of testing.
- Vendors will be allowed to fix findings/TDR's within test window as long as doesn't interfere with completion of testing.

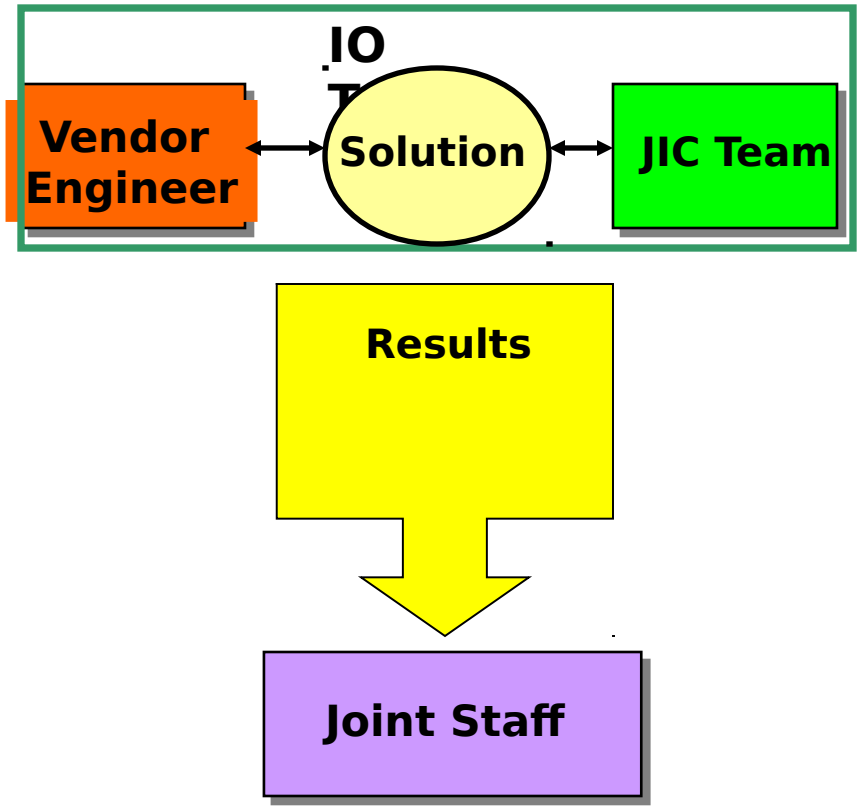
***Note:** Not all phases are applicable to all solutions

Step 9: IA Testing Completed

1) IA Team Evaluates findings at end of each phase of testing with vendor
2) At end of testing, determination is made on whether or not to proceed to IO (UCCO in coordination with FSO, AO and IA Test Team)
3) Draft IA Findings letter is generated by IA Test Team NLT 1 week after completion of test.
4) Vendor completes mitigations and submits to IATT NLT 2 weeks after receipt of Draft IA Findings Letter.
5) All parties attend previously scheduled Out brief. (Approximately 3 weeks after completion of testing)
5) Final IA Findings letter is generated by IATT within 3 days after completion of Out brief



Step 10: IO Testing



1) Concurrent with IA Steps 11 - 12
2) IO testing process
   a) Vendors will be required to provide on-site engineering support during all phases of testing.
   b) Vendors will be allowed to fix findings/TDR's within test window as long as doesn't interfere with completion of testing.
3) Results of testing presented to Joint Staff for final approval.

Step 11: Out brief (Parallel track)

1. Previously scheduled out brief occurs approximately 3 weeks after completion of IA testing.

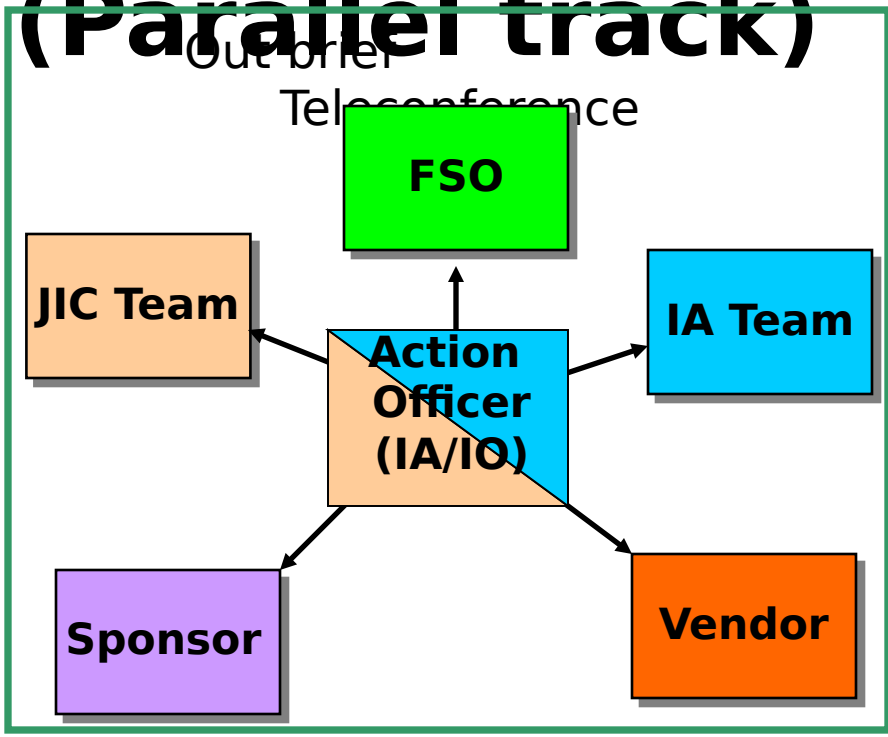
2. Decision is made on the following:

   Option 1: Rework mitigations: UCCO will make official CA recommendation request upon receipt of reworked mitigations.

   Option 2: Move Forward: IA Team Develops Security Assessment Report (IA Findings Letter w/vendor supplied mitigations) within 3 days.

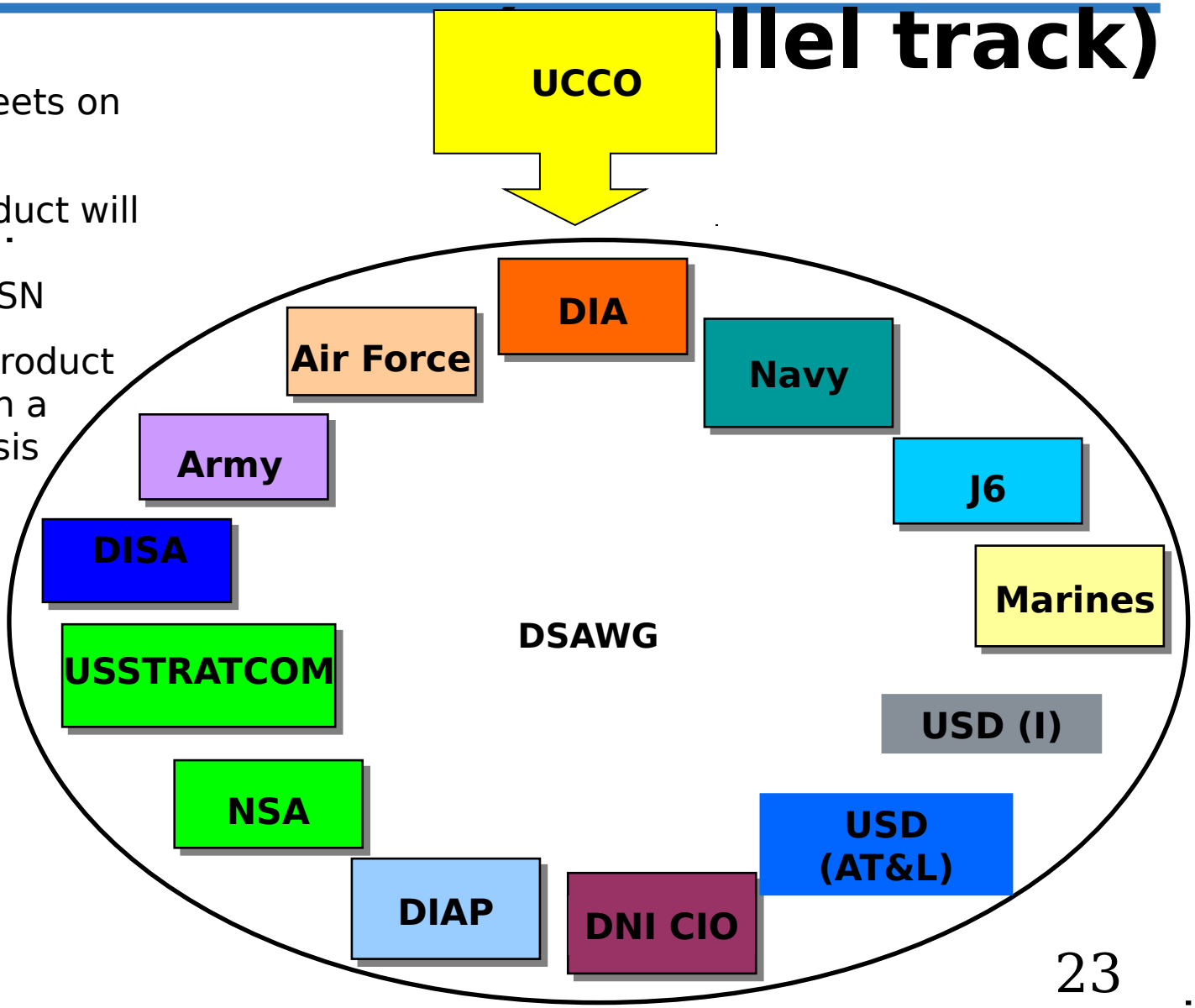
   a) UCCO makes official CA Recommendation Request.

   b) UCCO creates DSAWG Read Ahead Briefing and requests slot on agenda at next scheduled upcoming DSAWG.

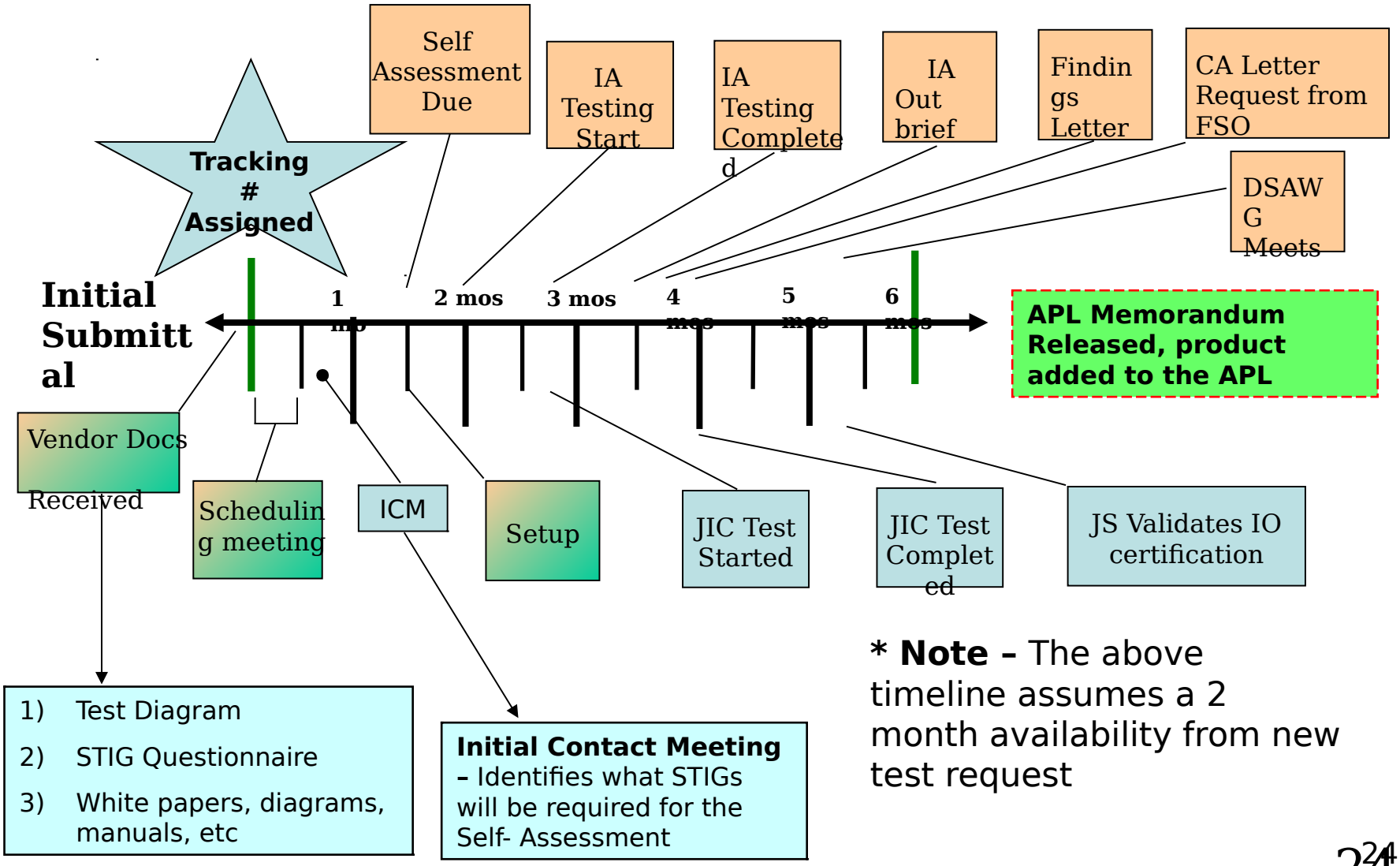


Step 12: DSAWG (Parallel track)

1. DSAWG Board meets on a monthly basis
2. If successful, product will be approved for connection to DISN
3. If unsuccessful, product will be worked on a case-by-case basis



APL Process Timeline



* **Note –** The above timeline assumes a 2 month availability from new test request

UCCO Points of Contact

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Questions?

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